



FEB-02/2012

Tender Notification No. Feb-02/2012

COMPUTER SUPPORT GROUP**CSG02: 320kW at 0.8PF (400kVA) DIESEL GENERATOR SET****BIDDER'S COPY****INSTRUCTIONS TO BIDDERS**

1. This document set contains the following:

a) Terms and conditions of the Tender	-	Pages 2 & 3
b) Details of the Firm offering this Quote	-	Page 4
c) Technical Compliance & Quotation form (Price Bid)	-	Page 5 to 10
d) NIT-T's check list copy	-	Page 11
2. The bidder's copy is for your future records. Please fill in and return only NIT-T's copy.
3. Read through the terms and conditions given and affix your signature and seal if you find them acceptable. Any deviations may be recorded. Read carefully the list of specifications that we have enclosed.
4. Fill in the questionnaire regarding the Firm.
5. The downloaded documents '**Technical Compliance Form**' and '**Quotation Form (Price Bid)**' should be **TYPE WRITTEN USING CAPITAL LETTERS ONLY**. At the time of filling the "**Quotation Form (Price Bid)**" make sure that you have not missed anything. Specify the model number & specification for each item. The form should be filled in item-wise. Do not leave blank fields. If you are not quoting for a specific item, you should specify "**NOT QUOTING**".
6. **Do not use** ambiguous terms like "**yes**", "**complied**" or "**available**". Specifically mention the matching specification of the product offered by you. Make sure that you have affixed your signature with date and seal on all the documents.
7. Please send the tenders in a sealed envelope superscribed as "**QUOTATIONS AGAINST TENDER NOTIFICATION NO: Feb-02/2012 Item No. CSG02: "320kW at 0.8PF (400kVA) DIESEL GENERATOR SET"**" so as to reach "The Head, Computer Support Group, CSG, National Institute of Technology, Tiruchirappalli - 620 015, India" on or before **March 14, 2012 at 2.30 p.m.**
8. For any further clarifications, contact by E-Mail: purchase@nitt.edu or by written request to "The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli - 620 015"
9. **DO NOT VISIT US WITHOUT OUR CONCURRENCE.**

Last Date for receipt of tender at NIT-T : March 14, 2012 at 2.30 PM
Opening Date for Tender : March 14, 2012 at 3.30 PM

CHECKLIST TO BE FILLED IN BY BIDDER

List of documents to be enclosed	Completed & Signed
1. Terms and Conditions form	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's Quotation form (Technical & Price Bid)	YES / NO
4. Other technical specifications & pamphlets	YES / NO

Note: 1. "Cover" should contain the following:

- a. Form of "**Acceptance of Terms and Conditions**".
 - b. Form of "**Firms details**"
 - c. Pamphlets, if any.
2. Quotation Form (Technical & Price Bid)

Please retain this page with you for your future reference.

BIDDER'S COPY



“TERMS AND CONDITIONS FORM”

**IMPORTANT : READ ALL THE FOLLOWING TERMS AND CONDITIONS AND
SIGN THE ACCEPTANCE CLAUSE FOLLOWING IT**

1. The offers should be addressed to “The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli 620015, India” and should be sent in a sealed envelope superscribed **“QUOTATIONS AGAINST TENDER NOTIFICATION No.: Feb-02/2012 Item No. CSG02: 320kW at 0.8PF (400kVA) DIESEL GENERATOR SET”** so as to reach us **on or before 2.30 p.m. on March 14, 2012** .
2. Each offer should be sent in a sealed cover along with the tender documents. Tenders received through email or FAX will not be considered.
3. The tenders will be opened on **March 14, 2012 at 3:30 p.m.** in the presence of the vendors present with authorization letter from the respective companies / firms. Suppliers intending to attend the tender opening should intimate us in advance.
4. Full technical specifications and pamphlets should be sent along with the tenders. **Offers without proper technical specifications will be rejected.**
5. All offers should indicate the taxes and duties applicable, if any. Additional charges for packing, forwarding, freight, insurance etc., if any, should be clearly mentioned. Clearance at Customs will be arranged by us.
6. NIT-T is paying concessional Customs & Excise duty under Government of India Notification No.51/96 for Central Customs and 10/97 for Central Excise Duty vide Certificate No. TU/V/RG-CDE(183)/2011 dt.10.10.11. Currently the purchaser is paying 5% Basic Customs Duty, 2% Educational Cess on Basic Customs Duty, 1% Higher Education Cess on Educational Cess, and 4% Import Additional Duty.
7. The Institute is not authorized to issue C and D forms of Sales tax certificate.
8. In case the offered items are to be imported, the rates should be quoted in foreign currency on C & F Chennai Airport, Insurance Cover should be up to National Institute of Technology, Tiruchirappalli (i.e. The Cost and Freight is up to Chennai airport and the insurance cover should be up to National Institute of Technology, Tiruchirappalli). NIT-T shall pay Customs duty if any.
9. If the price quoted is in foreign currency and if the order value is more than US\$10,000 then 100% payment will be made through **Letter of Credit (LC) at sight on acceptance**. If the order value is less than US\$10,000 , then 100% payment will be through a Telegraphic Transfer (TT). **The bank charges outside India should be borne by the Supplier / Beneficiary. Part shipment not allowed.** If the price quoted is in Indian Rupees, then 100% payment will be made only after installation and commissioning. **No advance payment will be made.**
10. No revision of the price bid will be allowed once the price bids are opened.
11. No increase in price will be allowed after our firm orders are placed.
12. The warranty period should be clearly mentioned. The maintenance charges (AMC) after the date of commissioning should also be mentioned.
13. **The generator set should be quoted along with one year comprehensive warranty with free spares / materials.**
14. The delivery period and other terms should be clearly mentioned.
15. Eligibility: Quotation from registered firms/company's / manufacturer under TNGST/CST / other statutory bodies alone be considered. Any Manufacturer / Supplier / Dealer who has been declared ineligible by World Bank/government of India shall not be eligible to participate in this bid. Any fraudulent practices including concealing of facts at the time of submission of bid and there after shall lead to disqualification. List of beneficiaries especially from Educational Institutions / R & D Institutions should also be enclosed with the quotations.
16. Quote should come from authorized dealer or distributor or reseller for each of the product quoted. An authorization letter from OEM should accompany your quote for each product quoted, otherwise it may lead to rejection.

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17. Complete user, technical and service documentation, and spare parts catalogue are to be provided along with the supply of the item.
18. The vendors are informed that they should not call us over phone or contact us in person. All clarifications can be obtained through E-Mail/FAX/Post. Vendors shall not make attempts to establish unsolicited and unauthorised contact with us after the opening of the offers and prior to the notification of the award. Any attempt by any vendor to bring to bear extraneous pressures on us shall be sufficient reason to disqualify the vendor.
19. Delay / loss in postal transit or due to other reasons will not be NIT-T's responsibility.
20. We are not responsible for accidental opening of the covers that are not properly superscribed and sealed before the time scheduled for opening.
21. The tender should be made only on the "Technical compliance form" & "Quotation form" which is available in our website, otherwise it shall lead to rejection. The technical compliance form & Quotation form should be duly filled up (preferably **TYPE WRITTEN IN CAPITAL LETTERS**) and should clearly mention the features offered by the bidder against each specification.
22. Authorized signatory should sign on all the pages. Bids without authorized signatures will be rejected.
23. The manufacturers of the quoted make of the product must be of national / international repute and having ISO certificate.
24. **Liquidated damages:** If the bidder/supplier, after accepting the Purchase Order, fails to deliver any or all of the Goods within the period specified in the Order, NIT-T shall, without prejudice to its other remedies under the Rules of Purchase, proceed to cancel the order or agree to accept a delayed delivery on the condition of payment of liquidated damages by the bidder / supplier a sum equivalent to 0.50% of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the total cost. Once the maximum is reached NIT-T may proceed on its own to consider the termination / cancellation of the order.
25. **The vendors are informed that they should sign a stamp paper agreement with us, for Warranty, AMC, etc. before placing the final purchase order as per our terms & conditions and 5% of purchase order value in the form of bank guarantee towards performance security. The bank guarantee will be returned to the supplier after the successful completion of supply, installation, warranty period and AMC period.**
26. No Earnest Money Deposit (EMD) or processing fee is required for submitting this tender.
27. Failure to comply with all the terms and conditions mentioned herein would result in the tender being summarily rejected.
28. Vendors are informed that once the companies are shortlisted based on the technical specification, only then the price bids of the firms that meet NIT-T's Technical specification / requirements would be compared.
29. NIT-T reserves the right to modify or alter the specifications after short listing of tenderers.
30. NIT-T reserves the right to change the order quantity or split the orders among multiple vendors without assigning any reason(s) whatsoever.
31. NIT-T reserves the right to reject any or all the tenders without assigning any reasons whatsoever.
32. Apart from the above General Terms and Conditions, item-wise terms and conditions are enlisted in the Technical compliance form and Quotation form.

ACCEPTANCE

We accept the above terms and conditions and shall comply with them strictly.

NAME OF THE VENDOR:

ADDRESS :

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“DETAILS OF THE FIRM OFFERING THIS QUOTE”

(Write or print or type in block letters and please answer all the questions)

- Name of the firm:
- Date of incorporation:
- Nature of the company - Government / Public / Private Company / Partnership / Proprietorship:
- Specify the number of years in this line of activity by the company:

5. Quantity of sales in the last three years for the DIESEL GENERATOR SET :

2008-2009	2009-2010	2010-2011
<input type="text"/>	<input type="text"/>	<input type="text"/>

6. Turn over in the last three years (Figures should be in Indian Rupees in Lakhs):

2008-2009	2009-2010	2010-2011
<input type="text"/>	<input type="text"/>	<input type="text"/>

7. Provide the postal address, telephone & fax numbers, and email address of the nearest service center:

8. What would be the delivery period from the date of placement of an official purchase order:

9. Are you the authorized dealer or distributor or reseller for the products quoted:

10. Have you supplied any “DIESEL GENERATOR SET” to National Institute of Technology, Tiruchirappalli or any other organization in India in the last 3 years?

11. Was there any elapse or delay in supplying the goods ordered or any service related issue during the warranty period for the products ordered by NIT-T with your firm? If yes, provide details.

12. On Manufacturer’s Side to whom NITT have to contact in case of delayed supply and other issues committed by the authorized dealer / distributor / reseller :

Contact Person Name :	
Address :	
E-mail ID :	Telephone / Cell Phone :



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COMPUTER SUPPORT GROUP**CSG02: 320kW at 0.8PF (400kVA) DIESEL GENERATOR SET****TECHNICAL COMPLIANCE FORM****FIRM'S NAME & ADDRESS:****FIRM'S REF:****DATE :**

Supply, installation in correct position, testing commissioning and handing over of a diesel generator set of capacity of 320kW at 0.8PF (400 kVA) 3 phase, 415 volts, 50Hz complete with diesel engine, with radiator, (water cooled) along with self starting device, batteries, battery charger, engine panel, base frame, anti-vibration mounts, diesel tank with pump, AMF control panel and all connected accessories including standard set of tools and spares as follows. The Generator set is meant for standby mode of operation. The genset should be suitable for ambient temperature of 45° C, 90% relative humidity and altitude of 80 meters above mean sea level.

Sl. #	Item Description	NITT's specification	Firm's Offer (All the details should be specified)
1)	General Description	Make & Model	
2)	Capacity	320kW at 0.8PF (400 kVA)	
3)	Power factor	0.8	
4)	Voltage	415V ±5% A.C./ 3 phase, 50Hz ±5%	
5)	Coupling	Prime Mover and Alternator directly coupled through flexible coupling	
6)	Type of unit	Acoustic enclosure	
7)	Warranty and AMC details	One year comprehensive warranty with AMC 4 Years (1 + 4 Years)	
8)	Authorised service centre in Tiruchirappalli / Tamilnadu		
	CompanyName:Address:		
	Contact Person:		
	Phone Number:		
	Mobile:		
	Mail id:		
PRIME MOVER / DIESEL ENGINE			
9)	Engine make & model	Kirloskar / Cummins / Ashok Leyland (or) equivalent	
10)	Operating cycle	4 stroke engine	
11)	Engine displacement.	In cc or liter	
12)	Fuel	Diesel	
13)	Fuel tank capacity	Minimum 500 liter	
14)	Fuel tank filter	Required	
15)	Number of cylinders	Vendor to specify	
16)	Technology / Aspiration	Turbo charged / specify	
17)	Rated Speed	1500 rpm recommended	
18)	Bore x Stroke in mm x mm	Vendor to specify	

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19)	Torque range N.m.	Vendor to specify	
20)	Power (BHP)	Vendor to specify	
21)	Compression ratio	Vendor to specify	
22)	Fuel consumption in ltr/hour	@25%load @50% load @75% load @100% load	
23)	Type of cooling	Water cooled	
24)	Coolant name	Vendor to specify	
25)	Rate of cooling	Vendor to specify	
26)	Coolant pressure in kg/cm ²	Vendor to specify	
27)	Lubrication oil change period in Hrs.	Vendor to specify	
28)	Oil & fuel filter details.	Vendor to specify	
29)	Starting	Automatic Electric start Time taken for the Generator to start and reach the full speed (in 10 sec or less)	
30)	Indicators with Protection	Low oil level, Low oil pressure High water temperature Radiator water level low Low fuel / Any other indicator please specify	
31)	Type of Air-filter	Vendor to specify	
32)	Operating Temperature in atmospheric condition.	Vendor to specify	
33)	Self Motor type and capacity	Vendor to specify	
34)	RPM with hours reading	Specify as per manufacturer	
35)	Noise level	Specify in dB	
36)	Engine weight in kg.	Specify as per manufacturer	
37)	Overall engine dimension (L x W x H)	Specify as per manufacturer	
38)	Acoustic Enclosure	Length in mm Width in mm Height in mm	
39)	Engine efficiency in %	Specify as per manufacturer	
40)	Emission details should conform to CPCB norms.	Specify as per manufacturer	
41)	Maintenance kit Gasket / hose /belt/tools	Required	

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42)	Engine operating & maintenance manual / spare parts lit	Vendor to Specify	
43)	Certification / quality details	Test certificate should be provided by the manufacturer (OEM). Test certificate should be given in English.	
ALTERNATOR			
	Make / Model no	Specify as per manufacturer (Kirloskar / Crompton / Stamford or equivalent)	
44)	Specification	3 phase, 415V \pm 5% 50Hz, 4 pole, self regulated, self excited, screen protected 0.8pf Star connected stator winding.	
45)	kW rating	Minimum 320 kW at 0.8PF	
46)	kVA rating	400kVA	
47)	Full load voltage regulation	\pm 2 %	
48)	Time permitted to build up rated voltage	\leq 5 sec	
49)	Insulation class	As per standard	
50)	Speed in rpm	1500 RPM	
51)	Excitation	Shaft mounted brush less exciter Enclose schematic diagram	
52)	Overload withstand capacity	Min 150% for 30 sec	
53)	Alternator Efficiency	@25%load @50%load @75% load @100% load	
54)	Type and make AVR used	Specify as per manufacturer	
55)	Range of voltage adjustment in %	Specify as per manufacturer	
56)	Certification / quality details	Test certificate should be provided by the manufacturer (OEM). Test certificate should be given in English.	
PUMP			
57)	Pump for pumping diesel fuel from the barrel to the fuel tank	A Motorised gear pump should be provided along with the generator set (for pumping diesel fuel from the barrel to the fuel tank)	
58)	Make and model	Specify the make, model and capacity for the fuel pump	

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Sl. #	Item Description	NITT's specification	Offer by Company
CONTROL PANEL WITH AMF			
59)	Type	Automatic Mains Failure (Microprocessor based control unit)	
60)	Operation mode	Should have arrangement for starting and loading the DG set automatically / manually on EB supply failure and shut off the engine when EB supply is re-established, suitable CONTACTOR for incoming and outgoing should be incorporated for automatic power feeding, should include all protection for engine and alternator with fault diagnostic feature, indicating meters, suitable bus bar, etc., should have battery charging facility to keep the battery charged during idle period	
61)	Metering device	Energy meter (Digital). Voltmeter with phase selector switch kVA / KW kilowatt. Generator Running Hours Meter. Ammeter (phase selector switch with CT coils). Frequency meter. Overload relay. Battery Voltmeter. Battery ammeter. Battery charging level (Boost / trickle).	
62)	Indicators with protection	Low oil pressure /level Load on mains Load on genset High temperature Low lube oil pressure Frequency Earth fault relay System DC volts Engine running hours Fault / safety alarm Safety alarms	
63)	Provision for time delay	Provision for setting the time-delay in seconds to start and stop the engine during EB failure and restore.	
64)	Control Switches for manual / automatic operation	Suitable Control Switches with Emergency off	

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65)	Panel Construction	CR sheet with proper power coated painting. Facility for easy cable termination and earth connecting provision.	
66)	Battery	Types of battery Make Voltage Capacity in AH Number of batteries Warranty period	
67)	Panel/control wiring diagram	Required	
68)	Certification / quality details	Test certificate should be provided by the manufacturer (OEM). Test certificate should be given in English.	
Preferable Make			
69)	Cable	CCI / Polycab / NICCO /Asian / Gloster / Finolex	
70)	Cable Gland	Comet / Braco / Dowell	
71)	Cable Lugs	Siemens / Dowell	
72)	TPN SFU Contactors and Relays	L & T / Siemens / Alstom / ABB	
73)	Energy Meter	Secure / Alstom / Havels / L&T / Landys Gegr or equivalent	
74)	Voltmeter / Ameter	Meco / AE	
75)	CT's	Kappa / Pragathi / ECS /AE	
76)	Battery	Exide / Standard /SF/viewsonic Furukhawa / Amar Raja / OKAYA / SF	

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QUOTATION FORM (Price Bid)

Name of the Vendor :

Reference :

Date :

Sl. #	NITT's specifications	UNIT PRICE Firm's Offer (If the quote is in foreign currency please fill the FOREIGN FIRMS DETAILS in the previous page)
1.	PRICE FOR 320kW at 0.8PF (400kVA) Generator with one Year comprehensive Warranty, with Free AMC spares / materials	
2.	Installation / auxiliary charges, if any	
3.	Price for Commissioning / Installation, if extra.	
4.	Optional: AMC Charges in Rupees after the warranty period	2 nd year
		3 rd year
		4 th year
		5 th year
5.	Optional: Price for software / hardware for interface with Computers.	
6.	Others if any	

- Minor Civil works will be in the Vendor's scope.

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NIT-T'S COPY (To be filled in and submitted)

Last Date for receipt of tender at NIT-T : March 14, 2012 at 2.30 PM

Opening Date : March 14, 2012 at 3.30 PM

CHECKLIST TO BE FILLED IN BY BIDDER (Please make sure that these pages are filled and send duly signed)	
List of documents to be enclosed	Completed & Signed
1. Terms and Conditions form	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's quotation form (Price Bid)	YES / NO
4. Other technical specifications & pamphlets	YES / NO

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FOR NIT-T USE ONLY	
Name of the Vendor Address (Location):	
1. Terms and Conditions form duly signed	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's quotation form (Price Bid)	YES / NO
4. Other technical specifications & pamphlets	YES / NO
6. No. of enclosures	
7. Status of tender	Accepted for evaluation / Rejected
	REGISTRAR

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